

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 14. (cancelled)

15. (currently amended) The[[A]] method for manufacturing a structural member according to Claim 21, ~~wherein~~ characterized in that said water-repellent structure is manufactured by use of a photolithography method and an etching method.

16. – 17. (cancelled)

18. (currently amended) The[[A]] method for manufacturing a structural member according to Claim 15, ~~wherein~~ characterized in that said etching method is an anisotropic wet etching method.

19. – 20. (cancelled)

21. (currently amended) A method of making a water-repellant structural member formed of a single crystal silicon substrate, the method comprising:

forming irregularities on an external surface of the member, said irregularities ~~including~~ having protrusion portions and recessed portions, and

controlling the ~~forming step~~ formation of the protrusion portions so that:

_____ said protrusions as to have a substantially uniform height with an evenness of height which is .5 times a width of one of the group selected from the protrusion portions and the recess portions, and a top surface width of the protrusions is in a range of 1 to 10 μm ; and

said recesses have an upper opening width in a range of 1 to 10 μm so
that any droplet minimally falls in any of said recess portions and each droplet comes
into contact with an air layer in each of said recess portions ~~and dimensions chosen to~~
~~repel liquid from the surface.~~